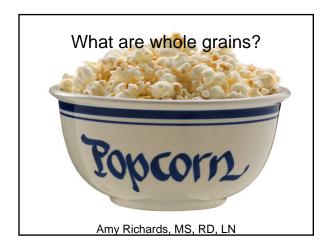
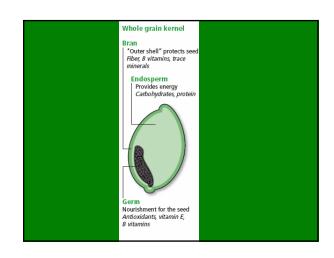
Whole Grains and the HealthierUS School Challenge Child and Adult Nutrition Services South Dakota Department of Education

Overview

- · What are whole grains
- · Counting grains
- · Incorporating whole grains
- The HealthierUS School Challenge





Industry derived definitions and labeling

- Whole Grain Council
 - Whole Grain Stamp: Excellent source, good source
- General Mills
 - Whole Grain statement on cereal boxes

Government Derived Definitions

- FDA draft guidance for industry
- USDA guidance



Summary Guidance from USDA

- Read the label
- First ingredient should be whole grain
- OR package should have whole-grain health claim
 - -If it has the claim it must be 51% or more whole grain
- Call manufacturer if unsure

Reading labels

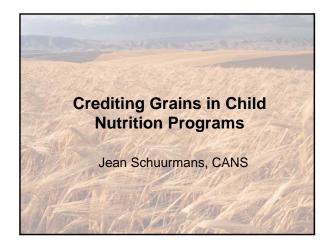
A whole grain ingredient will often include the word whole, entire, cracked, crushed or groats

- Source: Food Buying Guide

Reading Labels

Let the buyer beware—creative marketing means that the wording can be misleading for whole grains

If in doubt, call the manufacturer



Tips, ideas and resources for incorporating whole grains

Amy Richards, MS, RD, LN, CANS

Ideas for incorporating whole grains

- Whole grain sandwiches or sandwiches with 1 slice whole wheat and 1 slice white bread
- Whole grain tortillas-- burritos, soft tacos,
- Whole wheat hotdog and hamburger buns

Ideas continued

- Whole grain bagels
- Whole grain pita bread
- Whole grain English muffins
 - Whole grain pizza crust
 - · Whole grain muffins

Ideas continued

- Serve more varieties of whole grain breakfast cereal
 - Hot cereals like oatmeal, cream of brown rice and 10 grain cereals
 - Cold cereals like Shredded wheat, Wheaties, Raisin Bran, and granola

Ideas continued

- Use whole grains in salads such as bulgur in tabouli salad
- · Put whole grains on the salad bar
 - Granola topping
 - Low fat whole grain crackers
 - Whole grain croutons
 - Whole grain pasta salads-such as bowtie, rigatoni, macaroni, etc.

Ideas continued

- · Whole grain rice cakes
- · Brown rice instead of white rice
- Whole grain pasta instead of regular pasta
 Lasagna, Mac&cheese, pasta salad, spaghetti
- ½ brown rice or ½ whole grain pasta mix
- Use whole corn meal for corn muffins and corn bread

Ideas continued

- Low fat whole grain crackers
- · Whole grain cereal bars
- Unbuttered popcorn—(but not credible for CNP or HealthierUS School Challenge)
- Baked whole grain chips
- Whole grain cookies, cakes and desserts

Baking tips

 If modifying a bread recipe-substitute whole grain flour gradually to get student acceptance until you reach 51 percent or more whole grain flour in the recipe



Baking tips

To substitute whole wheat flour for all of the white flour in a recipe—

Substitute cup for cup except subtract 1-tablespoon for every cup of flour that is being replaced.



Source: Wheat Foods Council

Baking tips

For a lighter loaf of whole wheat bread

Add 1-tablespoon liquid and 1-tablespoon gluten flour for every cup of whole wheat flour in the recipe.



Source: Wheat Foods Council

Baking tips

Substitute oatmeal for 1/3 of the flour in a recipe

Source: Quaker Oats



Tips for using whole grains

- Roast whole grains to bring out a nutty flavor before using in recipes
- Use ground whole grains instead of bread crumbs in recipes



Tips for using whole grains

- Use whole grains or oatmeal in meatloaf
- Add wild rice, brown rice and barley to soup
- Add whole grain pasta to soup



Tips for using whole grains

Try using brown rice in a stuffed green pepper recipe

Put wild rice, bulgur, or barley in bread stuffing

Be creative—put oatmeal in things like lemon poppy seed cake



What has worked for you?



ND Cooperative Extension Recipes

- North Dakota Cooperative Extension
 - 100% Whole Wheat Muffin Recipe
- http://www.ext.nodak.edu/extnews/newsrelease/2005/090805/03prairi.htm
 - Whole Wheat Sourdough Starter
- http://www.ext.nodak.edu/extnews/newsrelease/ 2002/042502/03prairi.htm
 - 100% Whole Wheat Chocolate Sheet Cake
- http://www.ext.nodak.edu/extnews/newsrel ease/2005/021005/03prairi.htm

Recipe sources

- A long list of various sites with recipes
 - http://directory.google.com/Top/Home/Cookin g/Grains/
- Oatmeal recipes--Quaker Oats
- http://www.quakeroatmeal.com/kitchen/recipes/index.cfm
- Barley recipes—Barley Foods Council
- http://www.barleyfoods.org/recipes.html

Tips for finding recipes on the Internet

University of Nebraska-Lancaster Cooperative Extension

-http://lancaster.unl.edu/food/ciqj.htm



Websites with info about grains

- Clemson University Cooperative Extension
- http://hgic.clemson.edu/factsheets/HGIC4
 019.htm
- Wheat Foods Council
- http://www.wheatfoods.org/Resource-Flourdifference/Index.htm
- Whole Grain Council
- http://www.wholegrainscouncil.org/WGAtoZ.html



